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| Substitute for Form PTO-1390<br>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br><b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  | ATTORNEY'S DOCKET NUMBER<br>004501-832<br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/564037</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/CH2004/000417   | INTERNATIONAL FILING DATE<br>01 July 2004 (01.07.2004) | PRIORITY DATE CLAIMED<br>10 July 2003 (10.07.2003)  |
| TITLE OF INVENTION<br><br>PROCESS AND DEVICE FOR CURRENT LIMITING WITH AN AUTOMATIC CURRENT LIMITER (As Amended)   |  |   |
| APPLICANT(S) FOR DO/EO/US<br>NIAYESH, Kaveh; and KOENIG, Friedrich   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.<br>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |  |   |
| Items 11 to 21 below concern document(s) or information included:  |  |   |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.<br>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A change of power of attorney and/or address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization For Petitions For Extensions of Time and Payment of Fees; Application Data Sheet; EPO Form 1507; PCT/ISA/210.</u><br>_____<br>_____<br>_____  |  |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><div style="font-size: 24pt; font-weight: bold; margin-top: 5px;">10/564037</div> | INTERNATIONAL APPLICATION NO.<br>PCT/CH2004/000417 | ATTORNEY'S DOCKET NUMBER<br>004501-832 |
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21. ☒ Applicant(s) requests that the published application include the following assignment information: ABB RESEARCH LTD, Zürich, Switzerland

22. ☒ The following fees are submitted:

|   |              |              |                   |                         |
|---|--------------|--------------|-------------------|-------------------------|
| Basic Filing Fee (1631)   |              |              |                   | \$ 300.00               |
| Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).      |              |              |                   |                         |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA | RATE              | \$                      |
| Total Claims  | 19           | -20 = 0      | x \$50.00 (1615)  | \$ 0.00                 |
| Independent Claims  | 1            | -3 = 0       | x \$200.00 (1614) | \$ 0.00                 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |              |                   | + \$360.00 (1616)       |
| Examination Fee   |              |              |                   | + \$200.00 (1633)       |
| Search Fee  |              |              |                   | + \$400.00 (1432)       |
| App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)  |              |              |                   | \$ 0.00                 |
| TOTAL OF ABOVE CALCULATIONS =   |              |              |                   | \$ 900.00               |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |              |                   | + \$ 0.00               |
| SUBTOTAL =  |              |              |                   | \$ 900.00               |
| Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). |              |              |                   | \$ 0.00                 |
| TOTAL NATIONAL FEE =  |              |              |                   | \$ 900.00               |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +                               |              |              |                   | \$ 0.00                 |
| TOTAL FEES ENCLOSED =   |              |              |                   | \$ 900.00               |
|   |              |              |                   | Amount to be refunded : |
|   |              |              |                   | charged :               |

a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

d. ☒ Charge \$ 900.00 to credit card. Form PTO-2038 is attached.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SIGNATURE

Patrick C. Keane

NAME

32,858

January 10, 2006

REGISTRATION NO.

DATE

SEND ALL CORRESPONDENCE TO:

Buchanan Ingersoll PC  
 Including attorneys from Burns, Doane, Swecker & Mathis  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404  
 (703) 836-6620